

MILITARY SPECIFICATION SHEET

① RECEPTACLE, PLUG, ELECTRICAL, 3-PIN GROUNDED, 10-AMPERE,  
450-VOLT, 60-HERTZ, SINGLE PHASE (SYMBOL NO. 1257)

① This specification is approved for use within the Naval Sea Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

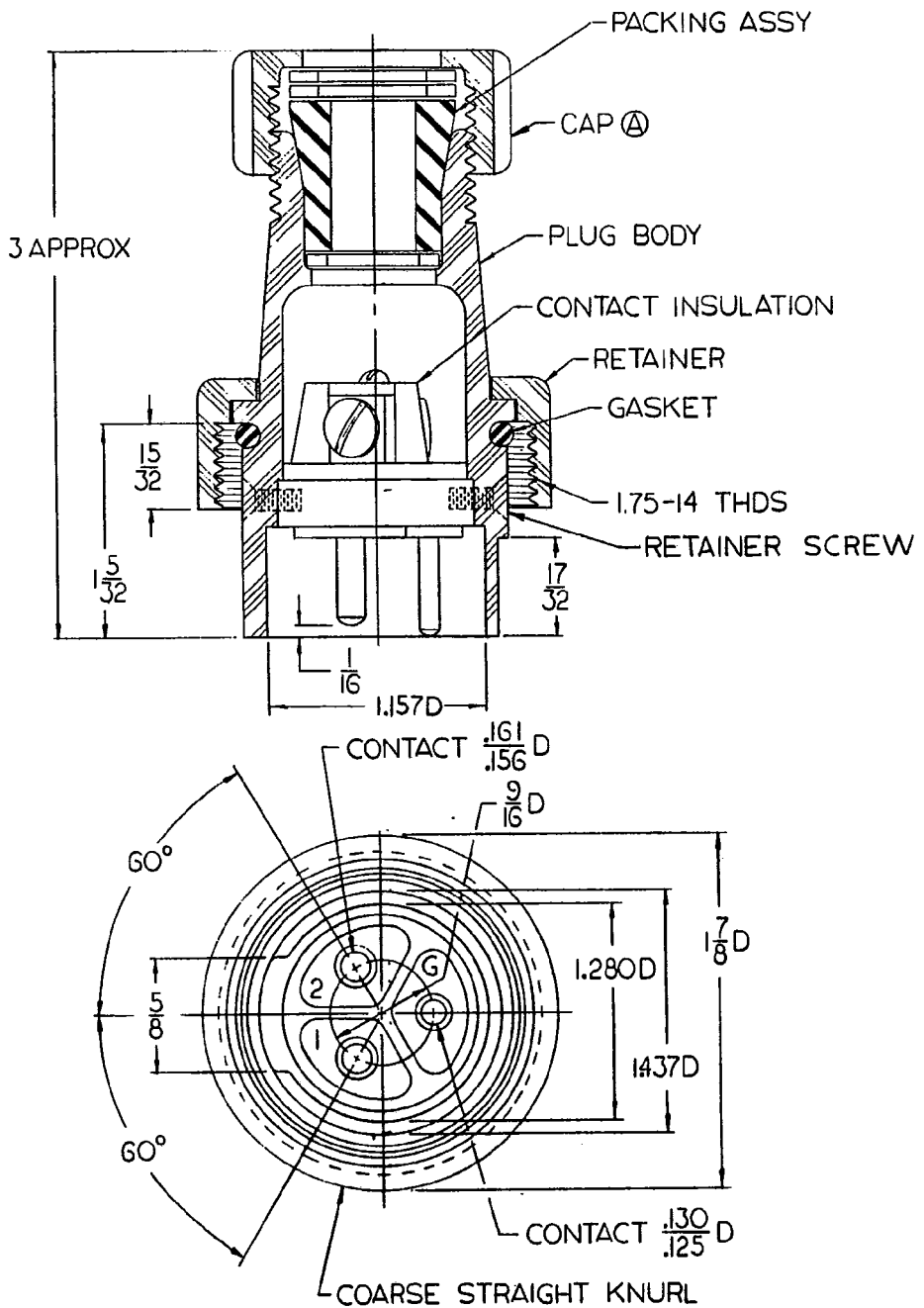
① The requirements for acquiring the receptacle described herein shall consist of this specification and the latest issue of MIL-R-2726.

① denotes changes.

AMSC N/A

FSC 5935

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SH 9133

**NOTE:**

1. Dimensions are in inches. Unless otherwise specified, tolerances are  $\pm 1/64$  inch for fractions and  $\pm 0.005$  inch for decimals. Angular tolerance is  $\pm 1/2$  degree.

**FIGURE 1. Dimensions and configuration.**

## REQUIREMENTS:

1. Dimensions and configuration: See figure 1.
2. Effectiveness of enclosure: Watertight in accordance with MIL-STD-108 when coupled with mating receptacle.
3. Strain relief: 20 pounds.
4. Material: Plug body and retainer - polycarbonate (black).  
Contact insulation - in accordance with type MAI-60 of MIL-M-14.  
O-ring - MS28775-217.
5. Contact hardness: Minimum of Rockwell 80F.
6. Packing assembly: MIL-S-19622/18, part number M19622/18-018.
7. Mating receptacle: MIL-R-2726/57, part number M2726/57-001.
8. Test cable: In accordance with MIL-C-24643 and MIL-C-24643/3 (not furnished).
9. Assembly: Tapping of insulation (inserts not required) for assembly with plug body for two flat head polyamide screws is permitted.
10. Part number: M2726/52-001.
11. Electrical rating: 10-ampere, 450-volt, alternating current, 60-hertz.
12. Cap: MIL-S-19622/10, part number M19622/10-0003 to be furnished.

## QUALITY ASSURANCE:

Quality assurance shall be as specified in MIL-R-2726 and table I herein. The first article and quality conformance inspections shall consist of the inspections as specified in table I, in the order shown.

TABLE I. First article and quality conformance inspection.

| Inspection                      | Requirement                     | Test method | First article | Quality conformance |
|---------------------------------|---------------------------------|-------------|---------------|---------------------|
| Examination                     | 3.1, 3.3, 3.4, 3.5, 3.6 and 3.7 | 4.6.1       | X             | X                   |
| Insulation resistance           | 3.5.1                           | 4.7.1       | X             | X                   |
| Dielectric withstanding voltage | 3.5.2                           | 4.7.2       | X             | X                   |
| Contact resistance              | 3.5.3.1                         | 4.7.3.1     | X             | X                   |
| Endurance                       | 3.5.5                           | 4.7.5       | X             |                     |
| Salt spray                      | 3.5.11                          | 4.7.11      | X             |                     |
| Contact resistance              | 3.5.3.1                         | 4.7.3.1     | X             |                     |
| Current load                    | 3.5.12                          | 4.7.12      | X             |                     |
| Vibration                       | 3.5.9                           | 4.7.9       | X             |                     |
| Shock                           | 3.5.10                          | 4.7.10      | X             |                     |
| Effectiveness of enclosure      | 3.5.4                           | 4.7.4       | X             | X                   |
| Dielectric withstanding voltage | 3.5.2                           | 4.7.2       | X             |                     |
| Mechanical abuse                | 3.5.8                           | 4.7.8       | X             |                     |
| Ball drop impact                | 3.5.15                          | 4.7.15      | X             |                     |
| Strain relief                   | 3.5.7                           | 4.7.7       | X             |                     |
| Rockwell hardness               | 3.5.14                          | 4.7.14      | X             |                     |

Preparing activity:

Navy - SH

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